

**Table 13. Employed doctoral scientists and engineers, by field of doctorate and sector of employment: 2001**

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Field of doctorate	Total	Universities and 4-year colleges	Other educational institutions	Private-for- profit	Self- employed	Private not- for-profit	Federal Government	State and local govern- ment	Other sector
[Number]									
All fields.....	574,890	245,060	17,980	196,940	30,420	28,430	38,050	16,580	1,430
Sciences.....	475,300	217,940	17,350	137,980	27,890	25,660	31,860	15,290	1,320
Computer and information sciences.....	10,780	3,760	110	6,060	210	210	310	120	S
Mathematical sciences.....	25,960	14,980	660	7,520	630	630	1,250	290	S
Biological and agricultural sciences.....	140,790	72,850	4,320	38,190	4,160	6,470	11,530	3,210	70
Agricultural/food sciences.....	16,950	7,530	430	6,050	790	440	1,400	300	S
Biological sciences.....	118,600	63,260	3,790	31,040	3,310	5,770	9,070	2,350	S
Environmental life sciences.....	5,240	2,060	100	1,100	60	270	1,050	570	S
Health sciences.....	21,390	11,790	620	4,800	880	1,440	1,300	510	S
Physical and related sciences.....	111,330	37,140	3,660	52,080	2,880	4,040	9,190	2,270	80
Chemistry except biochemistry.....	56,100	14,900	2,100	32,540	1,490	1,520	2,560	980	S
Earth/atmos/ocean sciences.....	16,590	7,790	500	3,800	610	630	2,500	760	S
Physics and astronomy.....	38,640	14,450	1,060	15,730	780	1,890	4,120	520	80
Social sciences.....	76,170	47,240	2,530	9,770	3,010	4,270	5,300	2,940	1,120
Economics.....	21,690	11,760	330	3,680	900	760	2,560	690	1,030
Political and related sciences.....	16,910	11,220	670	1,770	720	740	940	800	50
Sociology.....	13,710	9,470	560	820	460	1,390	610	410	S
Other social sciences.....	23,850	14,790	980	3,490	930	1,380	1,190	1,050	S
Psychology.....	88,890	30,190	5,450	19,570	16,130	8,600	3,000	5,950	S
Engineering.....	99,580	27,110	620	58,950	2,540	2,770	6,190	1,290	110
Aerospace/aeronautical engineering.....	4,040	1,270	S	1,810	160	90	630	S	S
Chemical engineering.....	13,630	2,430	100	9,940	270	310	490	90	S
Civil engineering.....	9,320	3,630	130	3,930	340	240	600	450	S
Electrical/computer engineering.....	27,050	7,000	110	17,230	800	570	1,260	S	S
Materials/metallurgical engineering.....	10,460	1,550	50	7,450	240	380	720	60	S
Mechanical engineering.....	12,670	3,260	60	7,990	320	380	560	80	S
Other engineering.....	22,410	7,970	170	10,600	400	800	1,930	540	S

See explanatory information and SOURCE at end of table.

**Table 13. Employed doctoral scientists and engineers, by field of doctorate and sector of employment: 2001**

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Field of doctorate	Total	Universities and 4-year colleges	Other educational institutions	Private-for- profit	Self- employed	Private not- for-profit	Federal Government	State and local govern- ment	Other sector
[Percent]									
All fields.....	100.0	42.6	3.1	34.3	5.3	4.9	6.6	2.9	0.2
Sciences.....	100.0	45.9	3.7	29.0	5.9	5.4	6.7	3.2	0.3
Computer and information sciences.....	100.0	34.9	1.1	56.2	1.9	1.9	2.9	1.1	S
Mathematical sciences.....	100.0	57.7	2.5	29.0	2.4	2.4	4.8	1.1	S
Biological and agricultural sciences.....	100.0	51.7	3.1	27.1	3.0	4.6	8.2	2.3	0.1
Agricultural/food sciences.....	100.0	44.4	2.5	35.7	4.6	2.6	8.2	1.8	S
Biological sciences.....	100.0	53.3	3.2	26.2	2.8	4.9	7.7	2.0	S
Environmental life sciences.....	100.0	39.2	1.8	21.0	1.2	5.1	20.1	10.8	S
Health sciences.....	100.0	55.1	2.9	22.4	4.1	6.7	6.1	2.4	S
Physical and related sciences.....	100.0	33.4	3.3	46.8	2.6	3.6	8.3	2.0	0.1
Chemistry except biochemistry.....	100.0	26.6	3.7	58.0	2.7	2.7	4.6	1.8	S
Earth/atmos/ocean sciences.....	100.0	46.9	3.0	22.9	3.7	3.8	15.1	4.6	S
Physics and astronomy.....	100.0	37.4	2.7	40.7	2.0	4.9	10.7	1.3	0.2
Social sciences.....	100.0	62.0	3.3	12.8	3.9	5.6	7.0	3.9	1.5
Economics.....	100.0	54.2	1.5	17.0	4.1	3.5	11.8	3.2	4.7
Political and related sciences.....	100.0	66.3	3.9	10.5	4.3	4.4	5.6	4.7	0.3
Sociology.....	100.0	69.1	4.1	6.0	3.4	10.1	4.4	3.0	S
Other social sciences.....	100.0	62.0	4.1	14.6	3.9	5.8	5.0	4.4	S
Psychology.....	100.0	34.0	6.1	22.0	18.1	9.7	3.4	6.7	S
Engineering.....	100.0	27.2	0.6	59.2	2.5	2.8	6.2	1.3	0.1
Aerospace/aeronautical engineering.....	100.0	31.5	S	44.8	4.0	2.2	15.6	S	S
Chemical engineering.....	100.0	17.8	0.7	72.9	2.0	2.3	3.6	0.6	S
Civil engineering.....	100.0	39.0	1.4	42.2	3.7	2.6	6.4	4.8	S
Electrical/computer engineering.....	100.0	25.9	0.4	63.7	2.9	2.1	4.7	S	S
Materials/metallurgical engineering.....	100.0	14.8	0.5	71.2	2.3	3.7	6.9	0.6	S
Mechanical engineering.....	100.0	25.7	0.5	63.1	2.6	3.0	4.4	0.7	S
Other engineering.....	100.0	35.6	0.8	47.3	1.8	3.6	8.6	2.4	S

**KEY:** S=Suppressed due to too few cases (fewer than 50 weighted cases).

**NOTES:** Numbers are rounded to nearest ten. Details may not add to total because of rounding.

**SOURCE:** National Science Foundation/Division of Science Resources Statistics, 2001 Survey of Doctorate Recipients